

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Yijia Bao, et al

Serial No:

Examiner: Ethan C. Whisenant

Filed:

Group Art Unit: 1634

For: TREATMENT OF SUBSTRATES FOR
IMMOBILIZING BIOMOLECULESINFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.56, 1.97 – 1.98Commissioner of Patents
Alexandria, VA 22313-1450

Dear Sir:


The Examiner's attention is hereby directed to the following reference(s) listed on the attached Form PTO-1449 for consideration in connection with the examination of the above-identified patent application. A copy of each of the reference(s) is enclosed unless it was previously submitted in related U.S. Application No. 09/925,808 or were cited in an International Search Report in a corresponding application.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the enclosed documents constitute "prior art." If it should be determined that any of the submitted documents do not constitute "prior art" under United States law, applicant(s) reserve the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicant(s) further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the enclosed references, should one or more of the references be applied against the claims of the present application.

Respectfully submitted,

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607-974-3921Date: December 5, 2003

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner of Patents, Alexandria, VA 22313-1450 on <u>December 5, 2003</u>	
Date of Deposit	
Thomas R. Beall	
Name of applicant, assignee, or Registered Representative	
	
Signature	
<u>December 5, 2003</u>	
Date of Signature	

FORM PTO-1449 (MODIFIED) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANTS INFORMATION DISCLOSURE STATEMENT	ATTORNEY DOCKET NO. SP01-208A	SERIAL NO.
	APPLICANT Yijia Bao, et al.	
	FILING DATE	GROUP: 1634

REFERENCE DESIGNATION				U.S. PATENT DOCUMENTS			
Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date if Approp.
	AA	5,807,522	09-1998	Brown et al.			
	AB	6,110,426	08-2000	Shalon et al.			
	AC	6,171,794 B1	01-09-01	J. Burchard et al.	435	6	
	AD						
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	AF						
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	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Sub-Class	Translation Yes No	
	AL	WO2002033412	04-2002	PCT			X	
	AM							
	AN							
	AO							
	AP							
	AQ							

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)		
	AR	"Super Microarray Substrates Handbook", www.arrayit.com , TeleChem International, Inc.
	AS	B. Clancy et al., "Reduction of Background Autofluorescence in Brain Sections Following Immersion in Sodium Borohydride", Journal of Neuroscience Methods, Vol. 83 (1998), pgs. 97-102
	AT	W. Beisker et al., "An Improved Immunocytochemical Procedure for High-Sensitivity Detection of Incorporated Bromodeoxyuridine", Cytometry, Vol. 8 (1987), pgs. 235-239
	AU	S.A. Schnell et al., "Reduction of Lipofuscin-like Autofluorescence in Fluorescently Labeled Tissue", Journal of Histochemistry and Cytochemistry, Vol. 47, June 1999, pgs. 719-730
	AV	M.C. Willingham, "An Alternative Fixation-Processing Method For Preembedding Ultrastructural Immunocytochemistry of Cytoplasmic Antigens: The GBS (glutaraldehyde-borohydride-saponin) Procedure", Journal of Histochemistry & Cytochemistry, Vol. 31, Issue 6, June 1, 1983, pgs. 791-798
	AW	M. Schena et al., "Parallel Human Genome Analysis: Microarray-Based Expression Monitoring of 1000 Genes", Proc. Natl. Acad. Sci. USA, Vol. 93, October 1996, Biochemistry, pgs. 10614-10619

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609: draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	AL						
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	AN						
	AO						
	AP						
	AQ						

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)	
AR	N. Zammatteo et al., "Comparison Between Different Strategies of Covalent Attachment of DNA to Glass Surfaces to Build DNA Microarrays", Analytical Biochemistry, Vol. 280, 2000, pgs: 143-150
AS	F. Diehl et al., "Manufacturing DNA Microarrays of High Spot Homogeneity and Reduced Background Signal", Nucleic Acids Research, 2001, Vol. 29, No. 7: E38, http://nar.oupjournals.org/cgi/content/full/29/7/e38
AT	Joon-Ik Ahn et al., "Optimization of DNA Fabrication in Microarrays, Department of Biochemistry, College of Medicine & The Mental Health Institute, Hanyang University, Seoul
AU	Xenopore Binding Protocols, "Suggested Binding Protocols for Xenoslides", http://www.xenopore.com/binding.html
AV	Reduction Reactions, "II Reduction Reactions", http://www.che.bham.ac.uk/publicsite/staff/staff%20details/cox/teaching/reduction%20react...
AW	"Sodium Borohydride Reduction", http://ice.chem.umbc.edu/Chem3521/borohydride.html
AX	Schena et al., PNAS, USA, 93 : 10,614 – 10,619 (Oct. 1996)

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